| Index | of Claims |
|-------|-----------|
|       |           |

Application/Control No.

10/637,199

Examiner

Ryan Lepisto

Applicant(s)/Patent under Reexamination

TYAN ET AL.

Art Unit

2883

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|          |                 |          | <del></del> |  |              |              |          |              |            |  |     |       |          |  |                | _        |              |              |  |          |          |
|----------|-----------------|----------|-------------|--|--------------|--------------|----------|--------------|------------|--|-----|-------|----------|--|----------------|----------|--------------|--------------|--|----------|----------|
| Cla      | im              |          |             |  |              | Date         | e        |              | _          |  |     | Cla   | im       |  |                |          |              | Date         | е  |          | _        |
| Final    | Original        | 4/4/05   | 11/8/05     |  |              |              |          |              |            |  |     | Final | Original | 4/4/05   | 11/8/05        |          |              |              |  |          |          |
|          | 1               | 1        | √           | Π  |              | Г            |          |              |            |  |     |       | 51       | N  |                |          |              |              |  |          |          |
|          | 2               | 7        | <b>√</b>    |  |              |              |          |              |            |  |     |       | 52       | N  |                |          |              |              |  |          |          |
|          | 3               | 7        | 1           |  |              |              |          |              |            |  |     |       | 53       |  | 1              |          |              |              |  |          | L        |
|          | 4               | 1        | 1           | L  | $oxed{oxed}$ |              |          |              | L          | L  |     |       | 54       |  | 1              |          |              |              |  |          |          |
|          | 5               | 1        | 1           |  |              |              | <u> </u> |              |            |  |     |       | 55       | _  | 1              |          |              |              | L  | _        | L        |
|          | 6               | 1        | V           |  | _            |              |          | _            |            |  |     |       | 56       | _  | 1              |          |              |              | L  | _        | L        |
|          | 7               | 1        | 1           |  | _            |              | _        |              |            | <u> </u>   |     |       | 57       |  | 1              |          | _            | _            | <u> </u>   |          | L        |
|          | 8               | 1        | 1           | _  | L            | _            | _        |              | -          | _  |     |       | 58       | <u> </u>   | 1              |          | _            | L            | _  | _        | L        |
|          | 9               | 1        | 1           | -  | <b>├</b>     | <u> </u>     |          |              | <b>!</b> — | ⊢  |     |       | 59       | <u> </u>   | 1              |          | _            | _            | <u> </u>   | _        | L        |
|          | 10              | 7        | 1           |  | ├            | L            | -        | _            |            | <u> </u>   |     |       | 60       | <u> </u>   | 1              |          |              | _            |  | <u> </u> | ┞        |
|          | 11              |          |             |  | ļ            | <b> </b>     | -        | <u> </u>     | -          | ┝  |     |       | 61       | -  | 1              | _        | H            |              | ⊢  | -        | ┞        |
| -        | 12<br>13        | 7        | 1           | <u> </u>   | ├            | 1            | ⊢        | -            |            | $\vdash$   |     |       | 62<br>63 | ⊢  | 1              | ⊢        | -            |              | $\vdash$   | -        | ├        |
| -        | 14              | 1        | 1           |  | ╁╾           | ╁            | $\vdash$ | -            |            | -  | 1   |       | 64       | -  | l <del>`</del> | ┝        | $\vdash$     | ├─           | -  | $\vdash$ | ┢        |
| <u> </u> | 15              | V        | V           | -  | ╁            | ┢            | ┢        |              | -          | ╁  |     |       | 65       | -  | _              | -        | ┝            | ├─           | -  |          | $\vdash$ |
| $\vdash$ | 16              | Ì        | V           | $\vdash$   | ╁            | <del> </del> | -        | $\vdash$     |            | <del>                                     </del> |     |       | 66       | ┝  | ┢              |          | -            | $\vdash$     |  | ┢        | H        |
| -        | 17              | V        | i           | <del>                                     </del> | <u> </u>     |              | $\vdash$ |              | H          | 1  | 1   |       | 67       | -  |                | <u> </u> |              | $\vdash$     |  | $\vdash$ | ┢        |
|          | 18              | V        | V           | <del> </del>                                     | $\vdash$     |              |          |              | $\vdash$   | <u> </u>   | 1   |       | 68       | <del>                                     </del> | <u> </u>       | $\vdash$ |              |              |  | ┢        | Н        |
|          | 19              | V        | 1           |  | ╁            | $\vdash$     | ╁        | T            | $\vdash$   |  | 1   |       | 69       |  | -              |          | -            |              |  | ┢        | T        |
|          | 20              | 1        | 1           | _  | $\vdash$     | T            | Т        |              | <b>-</b>   |  | 1 1 | -     | 70       |  | $\vdash$       | ┢        |              |              |  | t        | T        |
|          | 21              | 1        | 1           |  |              | T            | Π        | Π            |            |  | 1   |       | 71       |  | Г              |          |              |              |  | П        | Г        |
|          | 22              | 1        | 1           |  | $\vdash$     | Г            | Г        | Π            | Г          |  | 1 1 |       | 72       |  |                |          |              |              |  |          |          |
|          | 23              | 1        | 1           |  |              |              |          |              |            |  | ]   |       | 73       |  |                |          |              |              |  | L        |          |
|          | 24              | 4        | 1           |  |              |              |          |              |            | L  |     |       | 74       |  |                |          |              |              | <u> </u>   | <u> </u> | L        |
|          | 25              | √        | 1           | L  | _            | L.           |          | $oxed{oxed}$ | L          | _  |     |       | 75       |  | ļ              |          |              |              |  | 匚        | L        |
|          | 26              | 1        | V           | <u> </u>   | ┞            | L            | _        | <u> </u>     | _          | <u> </u>   |     |       | 76       | -  | <u> </u>       |          |              | ļ            | -  | <u> </u> | L        |
|          | 27              | 1        | 1           | ┞  | ⊢            | ⊢            | <u> </u> | <u> </u>     | ├-         | ⊢  |     |       | 77       | _  | _              |          | ┞            | ļ            | -  | ▙        | L        |
|          | 28<br>29        | \<br>√   | \<br>√      | ├  | ├            |              | ┢        | ⊢            | ┢          | ├-   |     |       | 78<br>79 |  |                |          | $\vdash$     | _            | ┢  | -        | ┞        |
|          | 30              | V        | V           | $\vdash$   | ┥            | ┼─           | -        | ├            | $\vdash$   | ⊢  |     |       | 80       | -  | -              | -        | -            | -            | 1  | ╁        | ┝        |
|          | 31              | V        | 1           | -  | ╁            | ┢┈           | ┢        | ╁            | ┢          | ┢╾   |     |       | 81       |  | $\vdash$       | -        | ┢            | -            | ┢  | ├        | H        |
| <b>-</b> | 32              | V        | 1           | -  | 1            | $\vdash$     | H        | -            | -          | ╁  |     |       | 82       |  |                |          | $\vdash$     | H            | $\vdash$   | ╁        | t        |
|          | 33              | V        | V           |  | T            | T            | ┢        |              | 1          | Т  | 1   |       | 83       |  |                |          |              |              | _  | T        | T        |
|          | 34              | √        | 1           | t  | 1            | _            | _        | T            | Г          | ┢  | 1   |       | 84       |  | Г              |          |              | <u> </u>     | _  | Т        | Т        |
|          | 35              | √        | 1           |  |              | 1            |          | $\vdash$     |            | Π  | 1   |       | 85       |  | Г              |          | Π            | Г            |  |          | Г        |
|          | 36              | 1        | 1           |  |              | Г            |          | Г            |            |  | 1   |       | 86       |  |                |          |              |              |  |          | Г        |
|          | 37              | √        | 1           |  |              |              |          |              |            |  |     |       | 87       |  |                |          |              |              |  |          |          |
|          | 38              | 1        | 1           |  |              |              |          |              |            | L  |     |       | 88       | <u> </u>   | L              | <u> </u> | 匚            | L            | <u> </u>   | <u> </u> |          |
|          | 39              | 1        | 1           | L  | 1_           | <u> </u>     | _        | 乚            | L          | 辶  |     |       | 89       | ļ_   | ╙              |          | $oxed{oxed}$ | <u>L</u>     | L  |          | L        |
|          | 40              | 1        | √           | ㄴ  | <u> </u>     | <u> </u>     | Ļ.,      | <u> </u>     | ļ          | L.   |     |       | 90       | L  | L.             |          | _            | _            |  | <u> </u> | L        |
| <u> </u> | 41              | 1        | ٧           | <u> </u>   | ļ            | L.           | <u> </u> | <u> </u>     | <b>└</b>   | L  |     |       | 91       | ┞_   |                | <u> </u> | <u> </u>     | _            | <b>├</b>   | <u> </u> | L        |
|          | 42              | N        | 1           | ├  | ├-           | ├-           | ├—       | <u> </u>     | ├—         | ├  |     |       | 92       | ⊢  | ⊢              | <u> </u> | <u> </u>     | <u> </u>     | ⊢  | <u> </u> | ╀        |
| -        | 49              | N        | ├           | ₩  | $\vdash$     | ⊢            | $\vdash$ | -            | $\vdash$   | $\vdash$   |     |       | 93       | $\vdash$   | -              | ⊢        | -            | <u> </u>     | -  | ⊬        | ╀        |
|          | 45              | N        | ₩           | +  | $\vdash$     | $\vdash$     | -        | ╁            | +-         | ┼─   | { } |       | 94<br>95 | -  | $\vdash$       | ├-       | $\vdash$     | ⊢            | $\vdash$   | $\vdash$ | ╁        |
|          | 46*             | N        | $\vdash$    | +  | $\vdash$     | $\vdash$     | +-       | 1            | +-         | <del> </del>                                     | 1   |       | 96       | +  | ⊢              | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ |
|          | 47              | N        | $\vdash$    | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$     | ┼─         | $\vdash$   | 1   |       | 97       | $\vdash$   | Η-             |          | +-           | ┢            | ╁─   | ╁        | t        |
|          | 48.             | N        | $\vdash$    | +  | ╁╌           | $\vdash$     | +-       | +-           | +          | $\vdash$   | 1   |       | 98       | 1  | $\vdash$       | ┢        | $\vdash$     | <del> </del> | <del>                                     </del> | ┢        | t        |
|          | 49              | N        | $\vdash$    |  | t            | T            | T        | t            | T          |  | 1   |       | 99       | <u> </u>   | t              | $\vdash$ | ┢            | Т            |  | $\vdash$ | t        |
|          | · <del>50</del> | N        | Г           | Т  | T            | Г            | T        | T            | T          | T  | 1   |       | 100      | $\vdash$   | t              |          | Т            |              | t  | t        | t        |
|          | <u>-</u> _      | <u> </u> |             | -  | -            | _            |          |              | _          |  | ا د |       |          | _  |                | _        |              | _            |  | _        | _        |

|          | $\vdash$                                     | _  |  |  |  | _        | _        |        |               |          |
|----------|--|--|--|--|--|----------|----------|--------|---------------|----------|
| Final    | Original                                     | 4/4/05   | 11/8/05  |  |  |          |          |        |               | i        |
|          | 51   | N  |  |  | H  |          |          |        |               |          |
|          | 51<br>52<br>53<br>54<br>55                   | N  | Н  | Н  |  | М        | Н        | $\neg$ | $\vdash$      |          |
|          | 53   | Ë  | 7  | $\vdash$   | $\vdash$   | _        | $\vdash$ |        | -             |          |
|          | 54   |  | 1  | Т  |  | -        |          | _      | $\overline{}$ |          |
|          | 55   | _  | V  |  |  |          |          |        |               |          |
|          | 56   | _  | 1  |  |  |          |          |        |               |          |
|          | 56<br>57                                     |  | 1  | H  |  |          | П        |        |               | -        |
|          | 58   | _  | Ť  |  | _  |          | -        | _      |               |          |
| <b>—</b> | 59   |  | Ť  |  |  | -        |          |        |               |          |
|          | 59<br>60<br>61                               | T  | 7 7 7 7  |  | Н  | $\vdash$ |          |        |               | _        |
|          | 61   |  | 1  |  |  | П        |          |        | П             | _        |
|          | 62   |  | 1  | $\vdash$   | Н  |          | $\vdash$ |        |               |          |
|          | 63   | $\vdash$   | V  | $\vdash$   |  | -        |          |        |               | _        |
|          | 64   |  | Ė  | Т  | П  |          | -        |        |               |          |
|          | 62<br>63<br>64<br>65<br>66                   | <del>                                     </del> | Т  | $\vdash$   |  |          | $\vdash$ |        |               | П        |
|          | 66   | _  | $\vdash$   | <del>                                     </del> | П  |          |          |        |               |          |
|          | 67   |  | <del>                                     </del> |  |  |          |          |        |               | _        |
|          | 67<br>68                                     | <u> </u>   | <u> </u>   |  |  |          |          |        | М             | $\vdash$ |
|          | 69   | <del> </del>                                     | <b>-</b>   |  |  |          |          |        |               |          |
|          | 70   | ┢  | ┢  | ╁  |  |          |          |        |               |          |
|          | 71   | <del> </del>                                     | ऻ  | ✝  | T .  |          |          | П      |               | <u> </u> |
|          | 72   | <del>                                     </del> | <del>                                     </del> | <u> </u>   |  |          |          | П      |               |          |
|          | 73   |  | Т  |  | T  |          |          |        | $\vdash$      |          |
|          | 70<br>71<br>72<br>73<br>74<br>75<br>76<br>77 | Т  |  | <u> </u>   | Г  |          | П        | М      | $\vdash$      | $\vdash$ |
|          | 75   | <b></b>  | <b>†</b>   | T  | T  |          | П        |        | $\Box$        |          |
|          | 76   | <b>†</b>   | T  | t  | $\vdash$   | T        |          | П      | $\vdash$      | _        |
|          | 77   |  |  | 1  |  |          |          |        |               |          |
|          | 78   |  |  | 1  | Г  | l        |          | П      | Г             | $\Box$   |
|          | 78<br>79                                     |  | Г  | Т  | Г  |          | Г        |        | Г             |          |
|          | 80   | Γ  |  |  |  |          |          |        |               | Г        |
|          | 81   | <b></b>  |  |  | $\vdash$   | Ι_       | Г        |        |               | $\vdash$ |
|          | 81<br>82                                     |  |  |  | Т  | Г        |          |        |               | Т        |
|          | 83   |  |  |  | 1  |          |          |        |               |          |
|          | 84   |  | Г  |  | <del>                                     </del> | Ι        |          |        |               |          |
|          | 85   |  | Г  | $\vdash$   | Π  |          | Γ        |        |               | Γ.       |
|          | 86   | T  | _  | Г  |  | Г        |          |        |               |          |
|          | 86<br>87                                     |  |  | T  | П  | Г        | T -      |        |               |          |
|          | 88   |  | $\vdash$   | T  |  |          | $\vdash$ |        |               | Г        |
|          | 89   |  | Ι-   | Ι  | Г  | Г        | <u> </u> |        |               |          |
|          | 90   |  | Г  |  | Г  | Г        | $\vdash$ |        | Г             |          |
|          | 91   |  |  | Π  | Г  | Г        |          |        |               |          |
|          | 92   | Г  | 1  | Г  | Г  | Γ        |          |        |               |          |
|          | 93   |  | Г  | Г  |  | $\vdash$ |          |        | Г             |          |
|          | 94   | Г  | 1  |  |  |          | <u> </u> |        |               |          |
|          | 95   | Γ  | П  | Γ  | Г  | Г        |          |        | Γ             | Г        |
|          | 96   |  | Π  |  | Г  | Г        |          |        | Г             |          |
|          | 97   | Г  | T  | 1  |  |          | i —      |        |               | Γ        |
|          | 98   | Γ  | Γ  | Г  |  | Γ        | Π        |        | Γ             | Γ        |
|          | 99   |  |  | Π  | Π  | Г        |          |        |               |          |
|          | 100  | <u> </u>   | t  |  | Г  | $\vdash$ | _        | T      | Ι             | _        |

| Cla      | aim  | Date         |          |                                     |          |          |          |          |          |          |  |  |
|----------|--|--------------|----------|-------------------------------------|----------|----------|----------|----------|----------|----------|--|--|
| -        |  |              |          |                                     |          |          |          |          |          |          |  |  |
| lal      | Original   |              |          |                                     |          |          |          |          |          | - 1      |  |  |
| Final    | rig  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 0  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 101  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 101<br>102   |              |          |                                     |          | _        |          |          |          |          |  |  |
|          | 103  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 103<br>104<br>105<br>106<br>107<br>108<br>109  |              |          |                                     |          | _        |          |          |          |          |  |  |
|          | 105  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 106  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 107  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 108  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 109  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 110  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 111  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 112  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 113  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 114  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 115  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 117  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 118  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 119  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 120  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 121  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 122  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 123  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 124  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 125  |              |          |                                     |          |          |          |          |          |          |  |  |
|          | 126  |              |          |                                     |          |          |          |          | <u> </u> |          |  |  |
|          | 127  |              | _        |                                     |          | L        | <u> </u> | L        |          |          |  |  |
|          | 128  |              |          | L                                   |          | L.       |          |          | L        |          |  |  |
|          | 129  |              |          |                                     |          | _        | <u></u>  |          | _        | Ш        |  |  |
|          | 130  | $oxed{oxed}$ |          |                                     | L        | _        | _        | L        |          | Ш        |  |  |
|          | 131  |              |          |                                     |          | <u> </u> |          | L        | L        | Ш        |  |  |
|          | 132  |              | L        |                                     | _        | <u>_</u> | <u>_</u> | <u> </u> | ļ        | Ш        |  |  |
|          | 133<br>134<br>135  | Ш            | L        | L_                                  | <u>_</u> | <u> </u> | <u> </u> | L        |          | Ш        |  |  |
|          | 134  |              | L_       | <u> </u>                            |          | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ        |  |  |
|          | 135  | <u> </u>     | <u> </u> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> | Ш        |  |  |
|          | 136<br>137   | _            | <u> </u> | L_                                  | <u> </u> |          | <u> </u> | L        |          | Ш        |  |  |
|          | 137  | Щ            | _        | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u>_</u> | <u> </u> | Щ        |  |  |
|          | 138<br>139   | <u> </u>     | <u> </u> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <b> </b> | Ш        |  |  |
|          | 139  | _            | <u> </u> | <u> </u>                            | ldash    |          | <u> </u> | <u> </u> | <u> </u> |          |  |  |
| L        | 140  | <u> </u>     | <u> </u> | <u> </u>                            | <u> </u> |          | ⊢        | _        | <u> </u> | Щ        |  |  |
| <u> </u> | 141  | <u> </u>     | ⊢        | <u> </u>                            |          | <u> </u> | Ь        | <u> </u> | <u> </u> | <u> </u> |  |  |
|          | 142  | <u> </u>     | ⊢        | ⊢                                   | ⊢        | <b>!</b> | Ь.       | <u> </u> | Ь—       | Щ        |  |  |
|          | 143  | $\vdash$     | <u> </u> | <u> </u>                            |          | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ        |  |  |
| <u> </u> | 144  | _            | <u> </u> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ┞        | Ш        |  |  |
| <u> </u> | 145  | <u> </u>     | <b> </b> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш        |  |  |
|          | 146  | 上            |          | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <b> </b> | <u> </u> | Ш        |  |  |
| <u> </u> | 147  | <u> </u>     | <u> </u> | <u> </u>                            | ┞-       | _        | ldash    | <u> </u> | <u> </u> | Щ        |  |  |
|          | 148  | $\vdash$     | <b>—</b> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | <u> </u> | <b>L</b> | ļ        | <u> </u> | Ш        |  |  |
|          | 149  | <u> </u>     | <u> </u> | <u> </u>                            |          | ㄴ        | L        | _        | <u> </u> | Ш        |  |  |
| L        | 150  |              |          |                                     |          |          |          |          |          | Ш        |  |  |